

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 13 and ADD new claims 14 and 15 in accordance with the following:

1. (original) A printing apparatus having a paper feeding unit with a feed roller that moves paper supplied from a paper tray to a printing unit, and an exit roller that releases the paper on which the printing operation is performed by the printing unit, the printing apparatus comprising:

a temperature sensor sensing an ambient temperature of the printing apparatus; and
a driving controller controlling the driving of the feed roller and the exit roller according to the ambient temperature sensed by the temperature sensor.

2. (original) The printing apparatus of claim 1, wherein the driving controller compensates for variations in line feed lengths of the feed roller and the exit roller according to the ambient temperature.

3. (original) The printing apparatus of claim 1, further comprising a pickup roller picking up paper stacked on the paper tray and supplying the paper to the feed roller, wherein the driving controller controls the driving of the pickup roller according to the ambient temperature sensed by the temperature sensor.

4. (original) The printing apparatus of claim 2, further comprising a pickup roller picking up paper stacked on the paper tray and supplying the paper to the feed roller, wherein the driving controller controls the driving of the pickup roller according to the ambient temperature sensed by the temperature sensor.

5. (original) The printing apparatus of claim 3, further comprising a driving motor driving the pickup roller, wherein the driving controller adjusts a rotation speed and an output torque of the driving motor, which drives the pickup roller, according to the ambient temperature

sensed by the temperature sensor to compensate for a change in physical properties of the paper stacked on the paper tray due to a change in the ambient temperature.

6. (original) The printing apparatus of claim 4, further comprising a driving motor driving the pickup roller, wherein the driving controller adjusts a rotation speed and an output torque of the driving motor, which drives the pickup roller, according to the ambient temperature sensed by the temperature sensor to compensate for a change in physical properties of the paper stacked on the paper tray due to a change in the ambient temperature.

7. (original) The printing apparatus of claim 5, further comprising a nozzle discharging ink onto the paper, the driving controller controlling the driving motor to adjust a rotation speed of the feed roller and a rotation speed of the exit roller according to the ambient temperature to maintain a ratio of a linear velocity of an outer surface of the feed roller to that of an outer surface of the exit roller, thereby adjusting a distance between the paper and the nozzle.

8. (original) The printing apparatus of claim 7, wherein, if the paper passes through the feed roller and lies only on the exit roller, the driving controller controls the exit roller with the linear velocity of the exit roller equaling the linear velocity of the feed roller.

9. (original) The printing apparatus of claim 1, further comprising:
a driving motor driving the feed roller and the exit roller; and
a nozzle discharging ink onto the paper, the driving controller controlling the driving motor to adjust a rotation speed of the feed roller and a rotation speed of the exit roller according to the ambient temperature to maintain a ratio of a linear velocity of an outer surface of the feed roller to that of an outer surface of the exit roller, thereby adjusting a distance between the paper and the nozzle.

10. (original) A method of controlling a feed roller and an exit roller of a printing apparatus according to an ambient temperature of the printing apparatus, the printing apparatus having a driving motor connected to the feed roller and the exit roller, the method comprising:
determining line feed lengths of the feed roller corresponding respectively to ambient temperatures in a predetermined range of ambient temperatures;
sensing an actual ambient temperature of the printing apparatus;

determining a line feed length of the feed roller corresponding to the sensed ambient temperature, and determining a line feed length of the exit roller corresponding to the sensed ambient temperature; and

driving, by the driving motor, the feed roller according to the determined line feed length of the feed roller and driving the exit roller according to the determined line feed length of the exit roller, to compensate for a variation in the line feed length of the feed roller and for a variation in the line feed length of the exit roller due to a change in the ambient temperature of the printing apparatus.

11. (original) A method of controlling a pickup roller of a printing apparatus according to an ambient temperature of the printing apparatus, the printing apparatus having a paper tray and a driving motor connected to the pickup roller to pick up paper from the paper tray, the method comprising:

determining rotation speeds and torques of the driving motor corresponding respectively to ambient temperatures in a predetermined range of ambient temperatures;

sensing an actual ambient temperature of the printing apparatus;

determining a rotation speed and a torque of the driving motor corresponding to the sensed ambient temperature; and

driving the driving motor connected to the pickup roller according to the determined rotation speed and torque.

12. (original) The method of claim 11, wherein said driving the driving motor comprises reducing the rotation speed of the driving motor, thereby increasing the torque of the driving motor, when the ambient temperature of the printing apparatus is less than a predetermined temperature.

13. (currently amended) A printing apparatus having a paper tray, comprising:

a pickup roller picking to pick up paper stacked on the paper tray;

a feed roller to move the paper through the printing apparatus;

an exit roller to release the paper from the printing apparatus;

a temperature sensor sensing an ambient temperature of the printing apparatus; and

a driving controller controlling the driving of the pickup roller, the feed roller, and the exit roller according to the ambient temperature sensed by the temperature sensor.

14. (new) A printing apparatus having a paper tray, comprising:
a pickup roller to pick up paper stacked on the paper tray;
an exit roller to release paper from the printing apparatus;
a temperature sensor sensing an ambient temperature of the printing apparatus; and
a driving controller controlling the driving of the pickup roller and the exit roller according
to the ambient temperature sensed by the temperature sensor.

15. (new) A printing apparatus having a paper tray, comprising:
a pickup roller to pick up paper stacked on the paper tray;
a feed roller to move the paper through the printing unit;
a temperature sensor sensing an ambient temperature of the printing apparatus; and
a driving controller controlling the driving of the pickup roller and the feed roller according
to the ambient temperature sensed by the temperature sensor.